STERRAD® 100NX Illustrated Parts Catalogue

ADVANCED STERILIZATION PRODUCTS
Division of Ethicon, Inc.
a Johnson & Johnson company

PC-102907 Rev. X
April 2017 (CO-1013482)

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Division of Ethicon, Inc.
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Contents

Front Panel Assembly Illustration – Input/Output 5
Front Panel Assembly – Input/Output 6
Input Door Assembly Illustration 7
Input Door Assembly 7
Output Door Assembly Illustration 9
Output Door Assembly 9
Top Panel Assy 02-53139-0-001 11
Rear Panel Assy 02-53140-0-001 12
Right Side Panel Assy 02-53137-0-001 13
Right Side Panel 14
Left Side Panel Assy 02-53138-0-001 15
Left Side Panel 16
Shelf 06-52394-0-001 17
Display Assy 40-52308-0-001 18
Display 19
AC Distribution Assembly Assy 40-52312-1-001/ 40-52312-1-002 20
Delivery System Assembly Illustration 21
Delivery System Assembly 22
Vaporizer/Condenser Assembly 23
Vaporizer/Condenser Assembly 24
Vent Valve and HEPA Filter Illustration 25
Vent Valve Assembly Illustration 26
Chamber Pressure Control Assembly Illustration 27
Chamber Pressure Control Assembly 27
Control Enclosure Assembly Illustration 29
Control Enclosure Assembly 30
ATX DC, 24VDC, and AC Power Assemblies Illustration 31
ATX DC, 24VDC, and AC Power Assemblies 32
Chamber Illustration 33
Chamber Assembly 34
Electrode Assembly Illustration 35
Electrode Assembly 36
Vacuum Pump and Tray Assembly Illustration 37
Vacuum Pump and Tray Assembly 38
Low Frequency Plasma System (LFPS II 500W) Assy 40-52321-001 39

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Hydrogen Peroxide Monitor and Detector Illustration **40**
Hydrogen Peroxide Monitor and Detector **41**
H202 Delivery Module (Duo) **42**
Spare Parts Alphabetical Listing **44**

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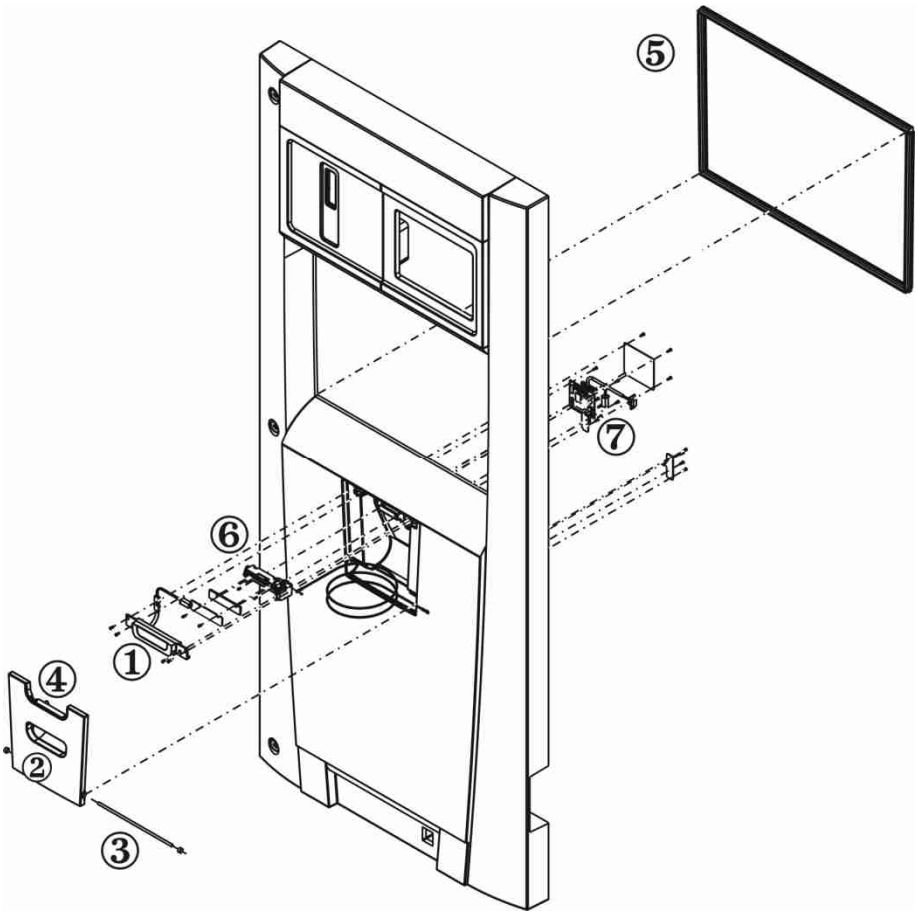
Front Panel Assembly Illustration – Input/Output



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Front Panel Assembly – Input/Output

Item	Description	Part Number	Notes
	Input panel assembly	02-52822-0-001	
	Output panel assembly	02-53710-0-001	
1	Assembly, paper advance	03-53391-0-001	
2	Assembly, printer door	03-53392-0-001	
3	Printer door shaft	61-53120-001	
4	Pinter, thermal	40-51465-001	
5	Kit, gasket, chamber door interface	100664-02	
6	Gasket interface, chamber door	23-53136-001	
7	Circuit board, printer	40-51468-001	

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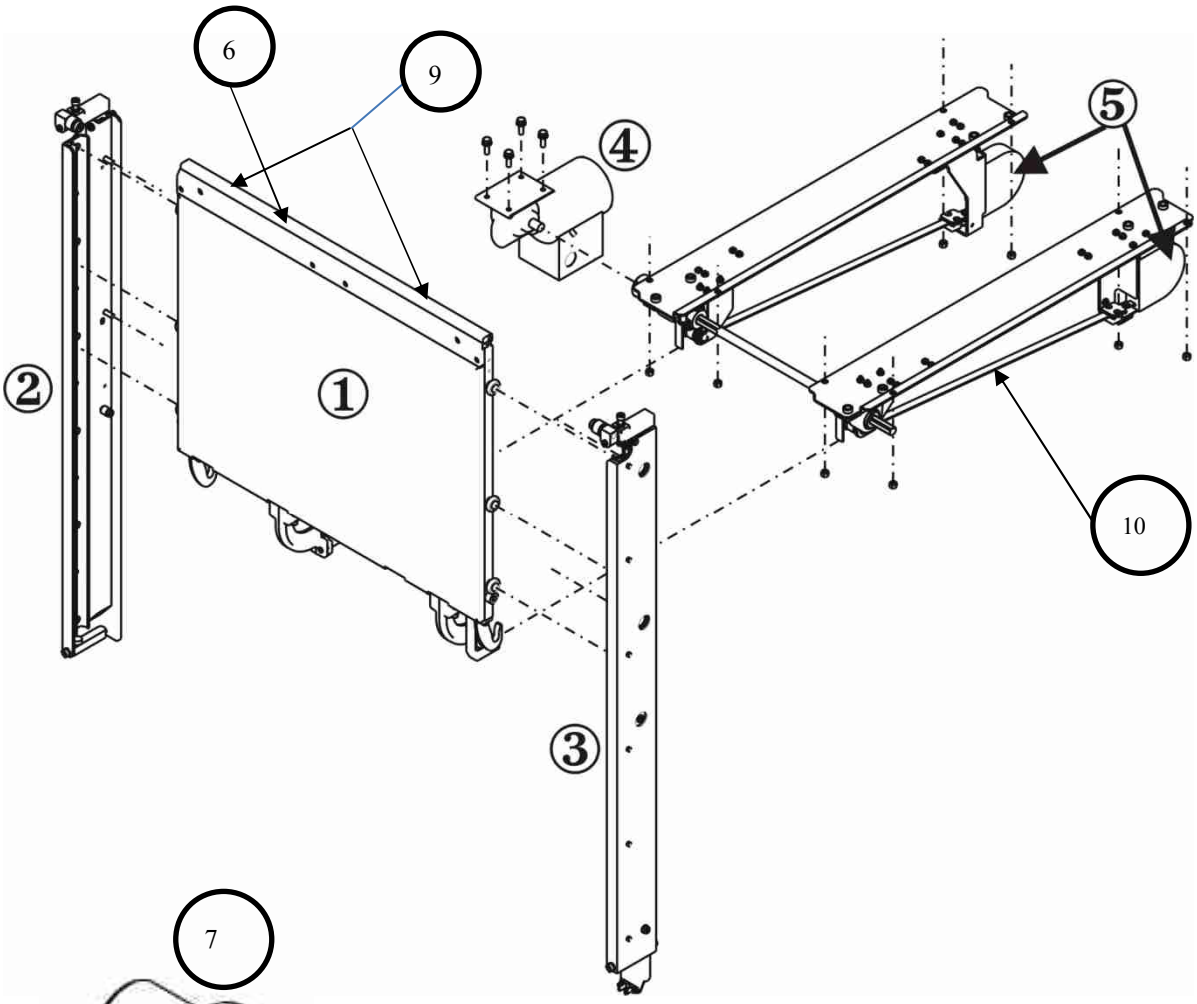
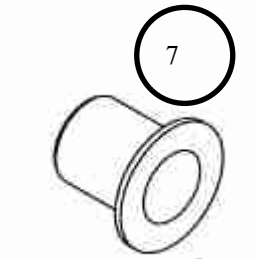
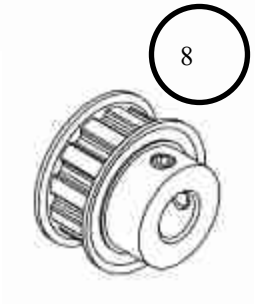
Input Door Assembly Illustration







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Input Door Assembly

Item	Description	Part Number	Notes
	Input door assembly	02-52773-0-001	
1	Chamber door assembly	03-52774-0-001	
2	Rail assembly, left	03-52776-0-001	
3	Rail assembly, right	03-52777-0-001	
4	Gear motor, right angle	42-52778-001	
5	Counter balance spring	65-52796-001	
6	Bar,Safety Door	30-52459-0-001	
7	Flange Bearing	60-53103-002	
8	Timing Pulley	60-52793-001	
9	Grommet Stoppers	64-52787-001	
10	Timing belt	66-52797-001	
11	Coupling	60-52795-001	

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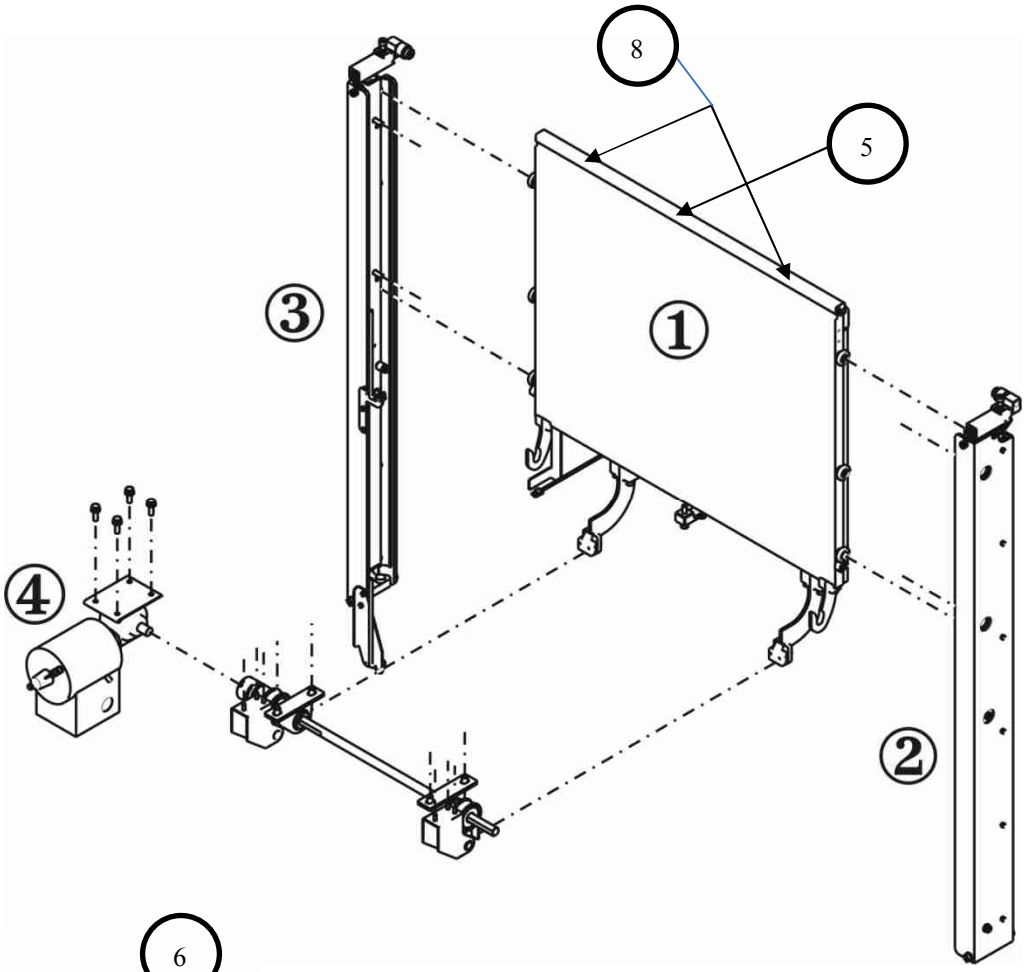
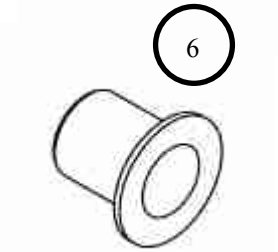
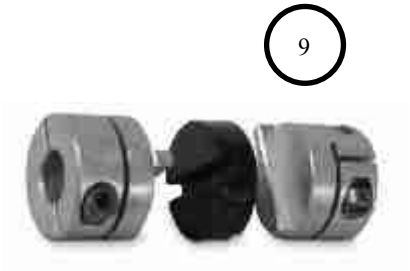
Output Door Assembly Illustration







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Output Door Assembly

Item	Description	Part Number	Notes
	Output door assembly	02-52452-0-001	
1	Chamber door assembly	03-52774-0-001	
2	Rail assembly, left	03-52776-0-001	
3	Rail assembly, right	03-52777-0-001	
4	Gear motor, left angle	42-52778-002	
5	Bar,Safety Door	30-52459-0-001	
6	Flange Bearing	60-53103-002	
7	Timing Pulley	60-52793-001	
8	Grommet Stoppers	64-52787-001	
	Timing belt	66-52797-001	
9	Coupling	60-52795-001	

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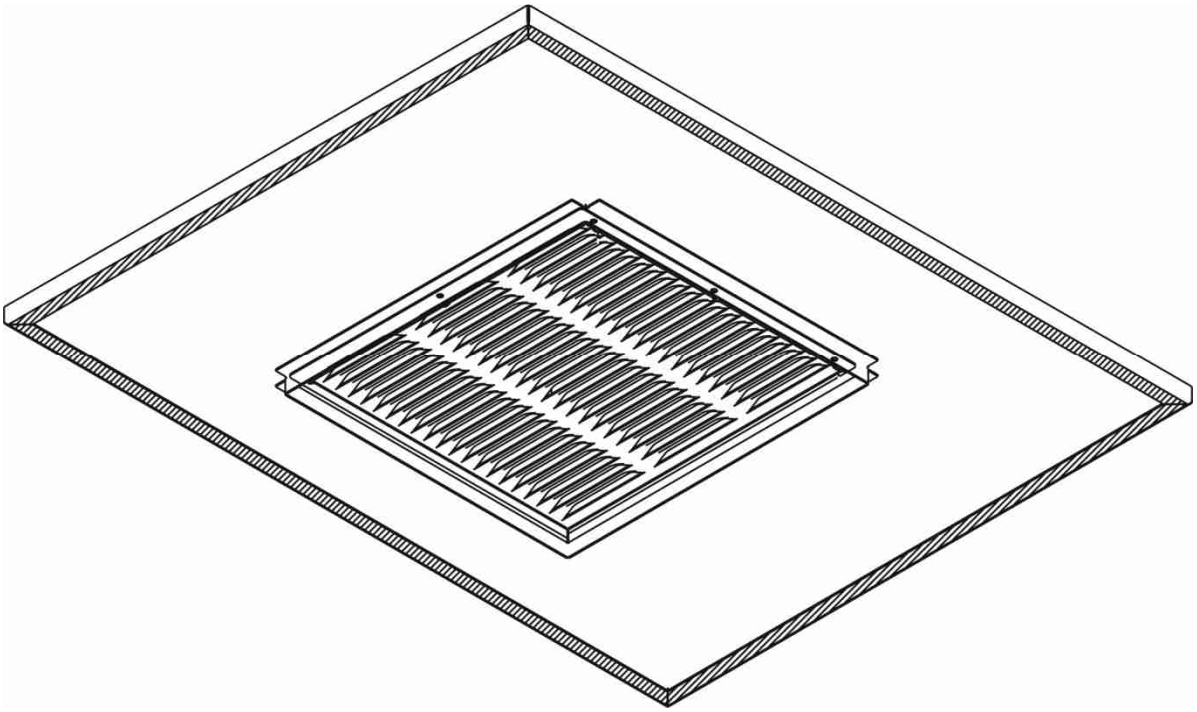
Top Panel Assy 02-53139-0-001



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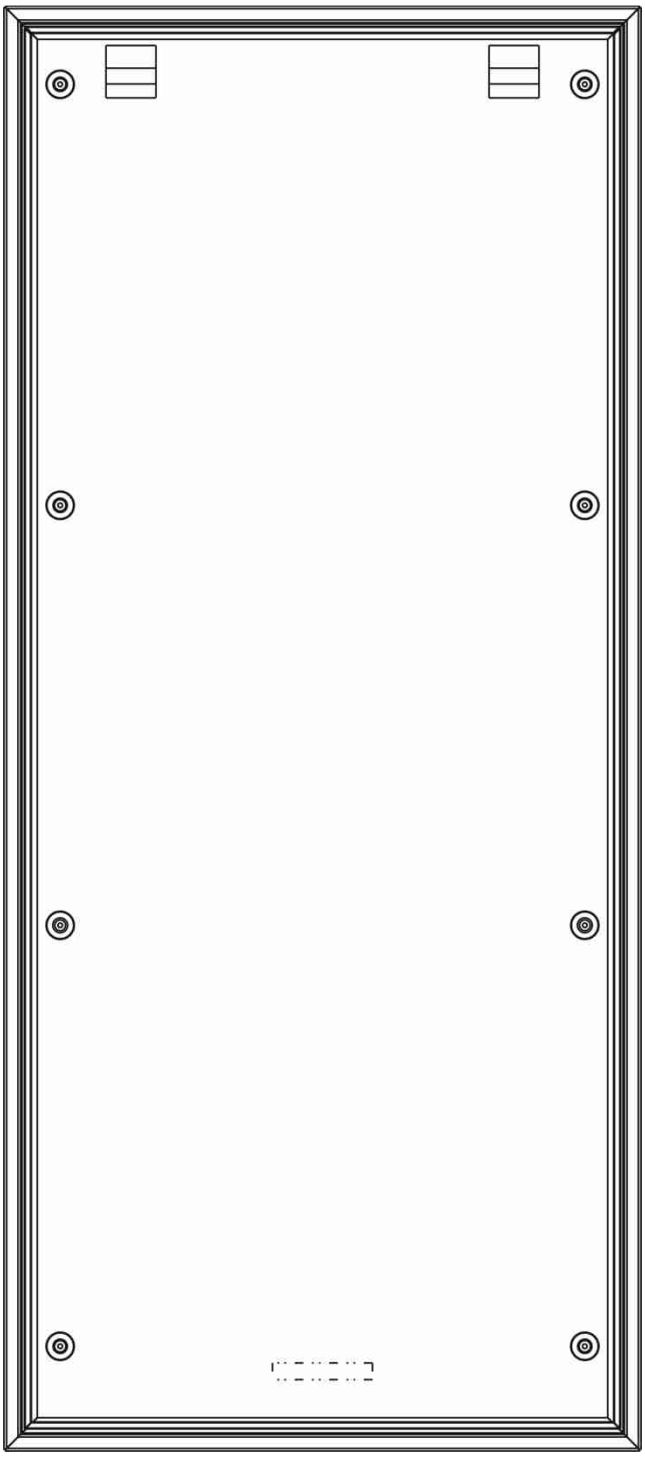
Rear Panel Assy 02-53140-0-001



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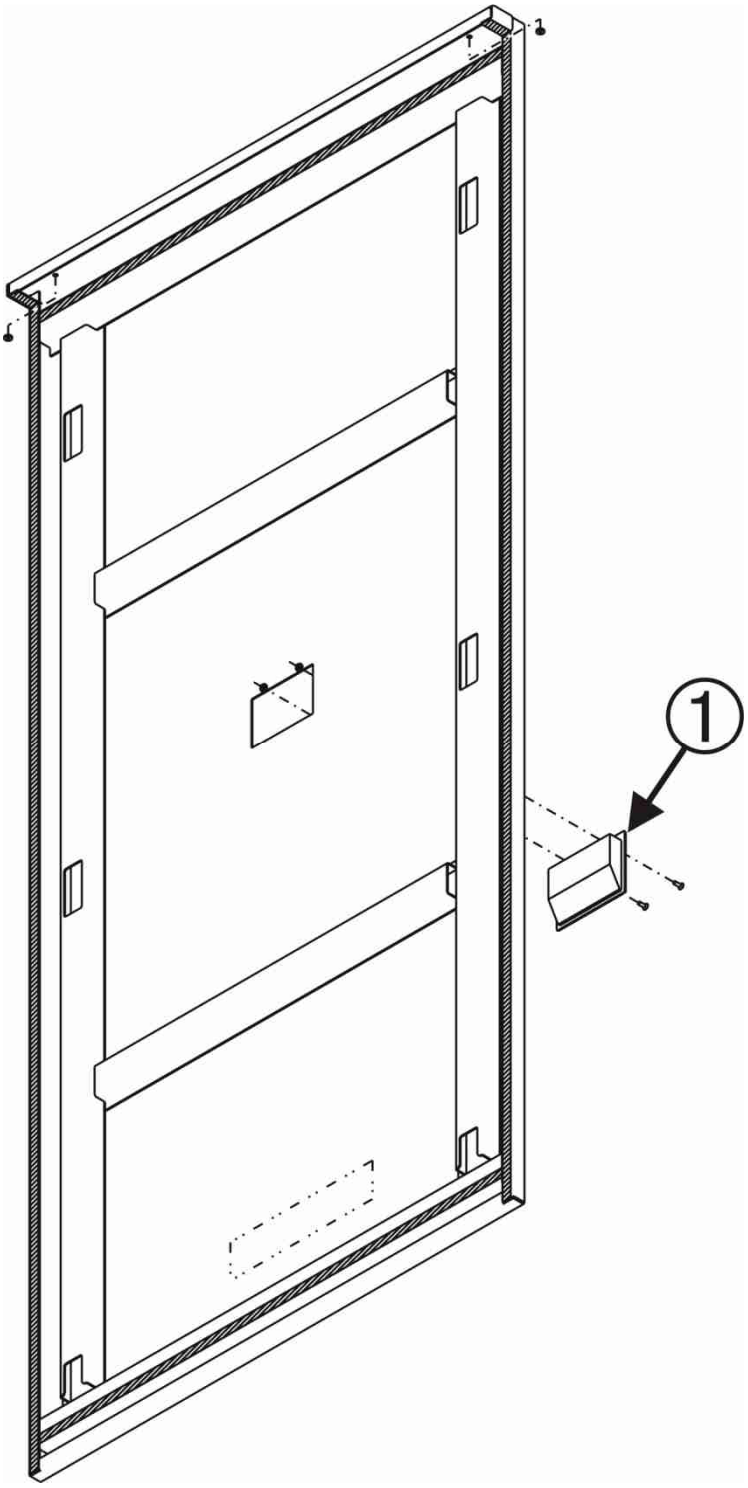
Right Side Panel Assy 02-53137-0-001



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Right Side Panel

Item	Description	Part Number	Notes
1	Panel handle	74-53143-001	

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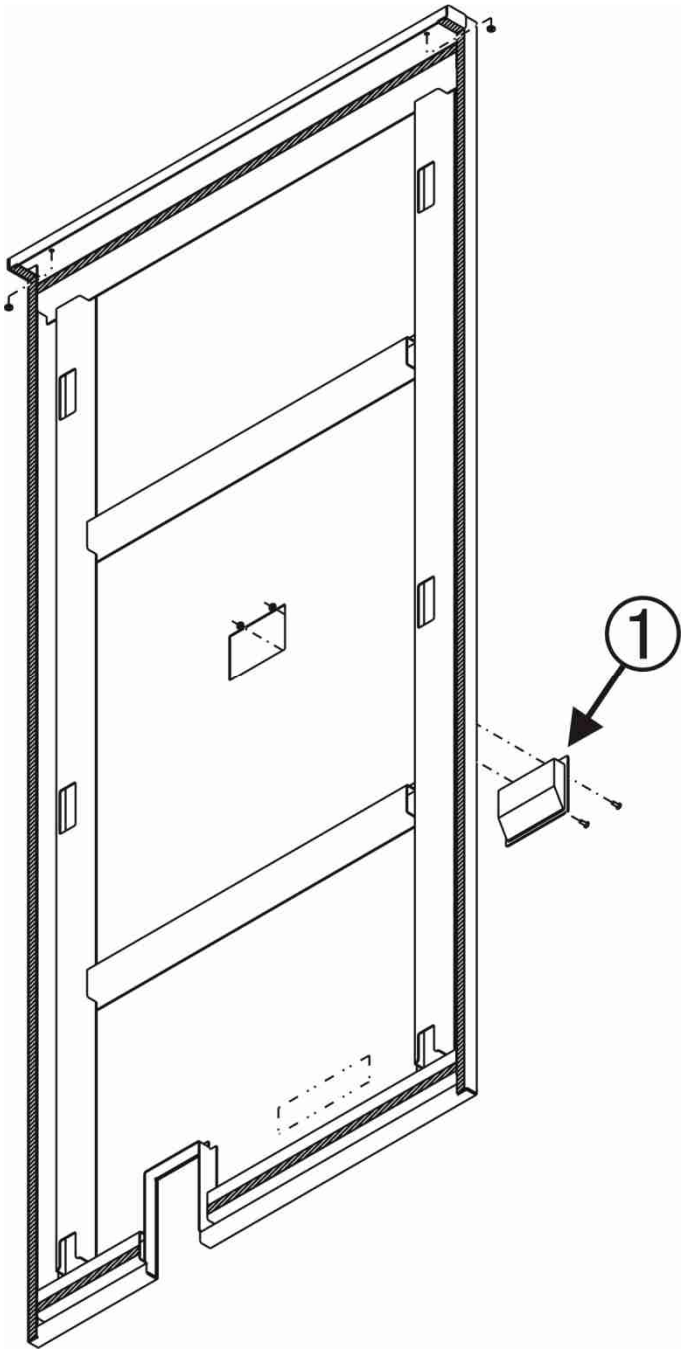
Left Side Panel Assy 02-53138-0-001



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Left Side Panel

Item	Description	Part Number	Notes
1	Panel handle	74-53143-001	

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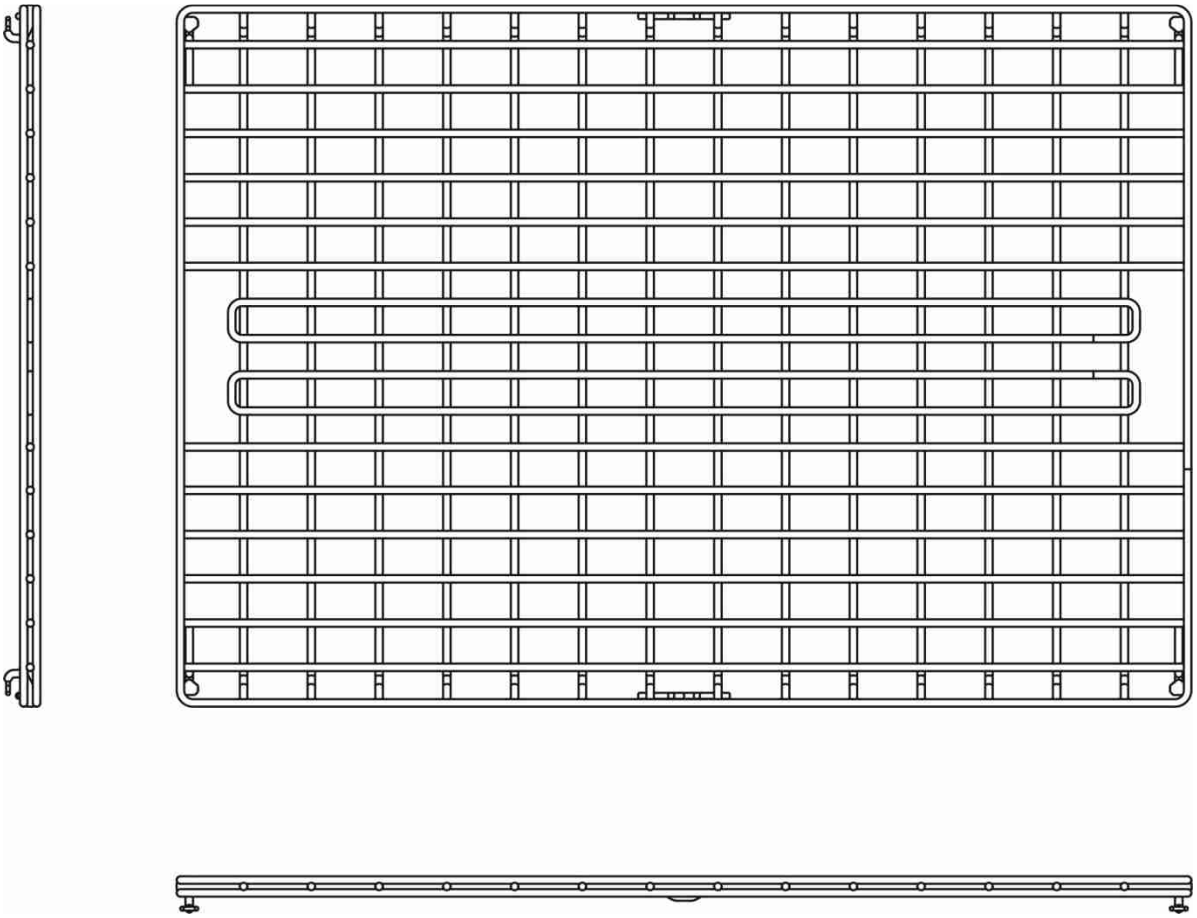
Shelf 06-52394-0-001



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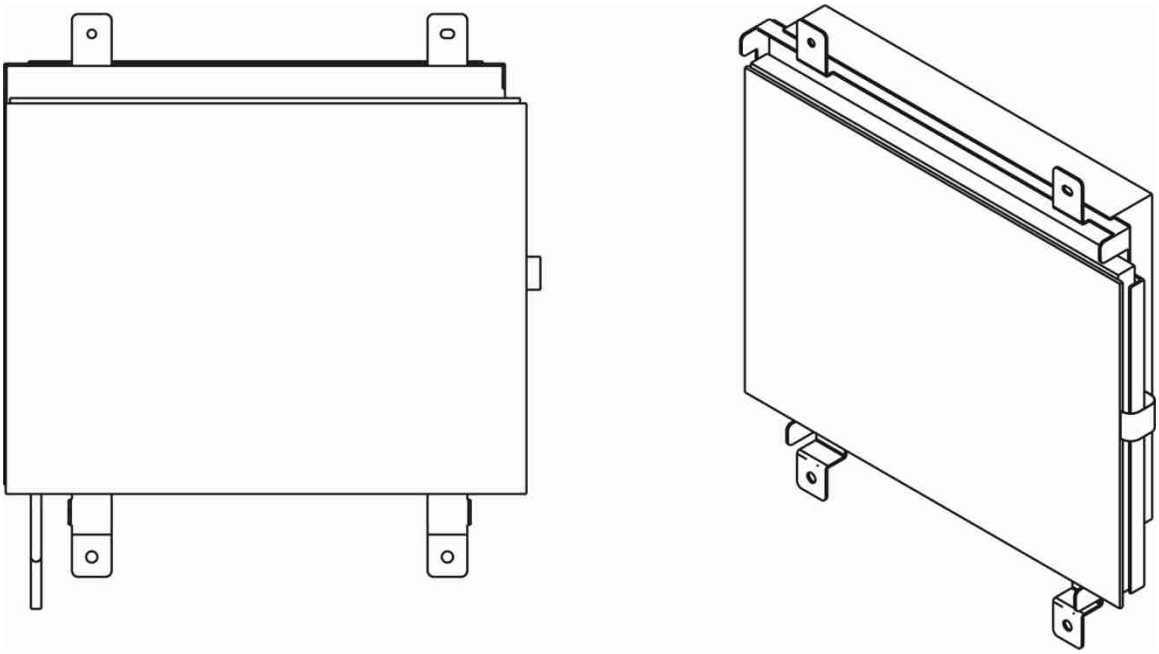
Display Assy 40-52308-0-001



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Display

Item	Description	Part Number	Notes
	Display Gasket, 100NX	23-53133-0-001	

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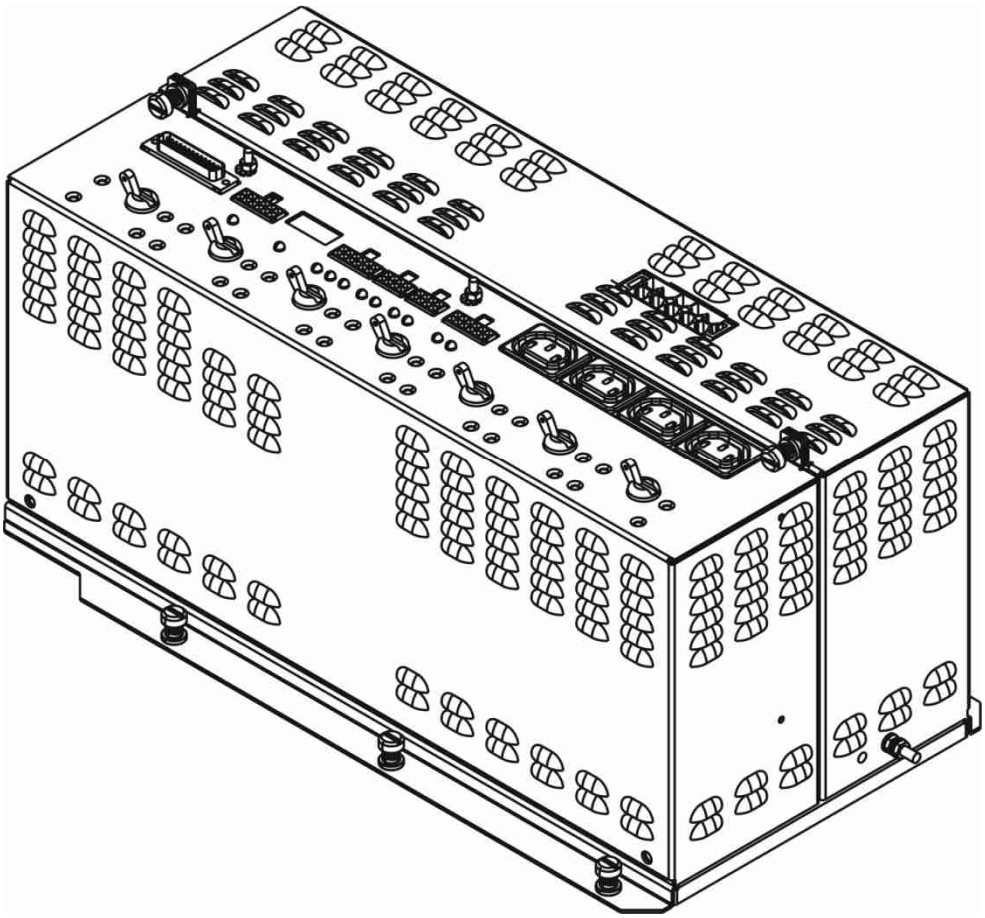
AC Distribution Assembly Assy 40-52312-1-001/ 40-52312-1-002



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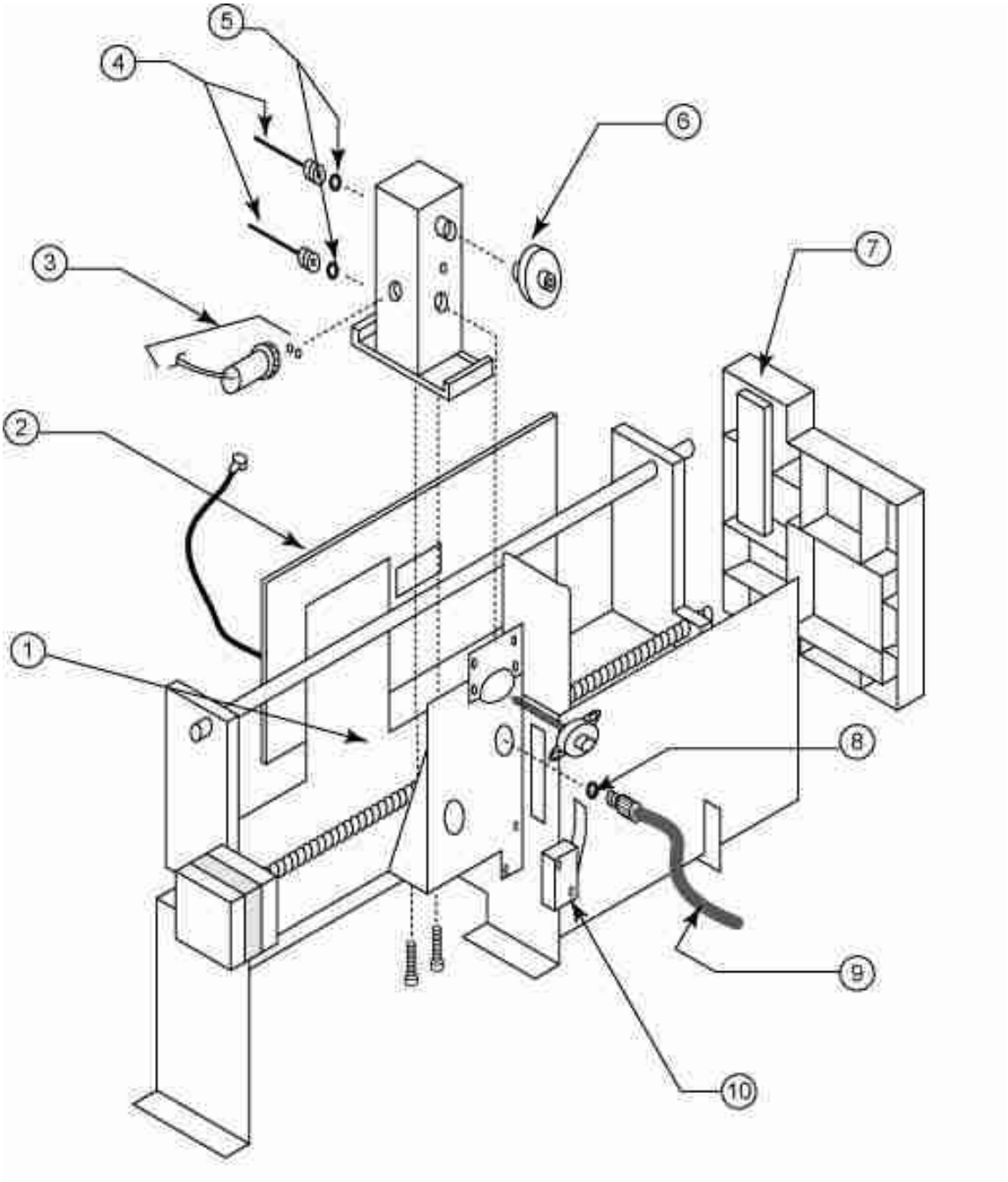
Delivery System Assembly Illustration



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Delivery System Assembly

Item	Description	Part Number	Notes
1	H2O2 delivery assembly (RoHS Compliant)	02-52302-1-002	
2	PCBA RFID (RoHS Compliant)	04-53067-1-001	RFID Antenna Board (RoHS)
3	Valve, solenoid manifold mount	28-53786-001	Delivery Valve
4	Needle, H2O2 transfer	06-52675-0-001	
5	O-Ring	22-00537-001	Needle O-ring
6	Air filter 0.2 PTFE 25 mm	25-50703-001	
7	Delivery bezel assembly	03-53375-0-001	
8	O-ring, miniature	22-52715-005	Delivery Tube O-ring
9	Tubing, H2O2 delivery	27-53249-001	
10	Microswitch collector assembly (RoHS Compliant)	04-53759-1-001	Collection box microswitch (RoHS)

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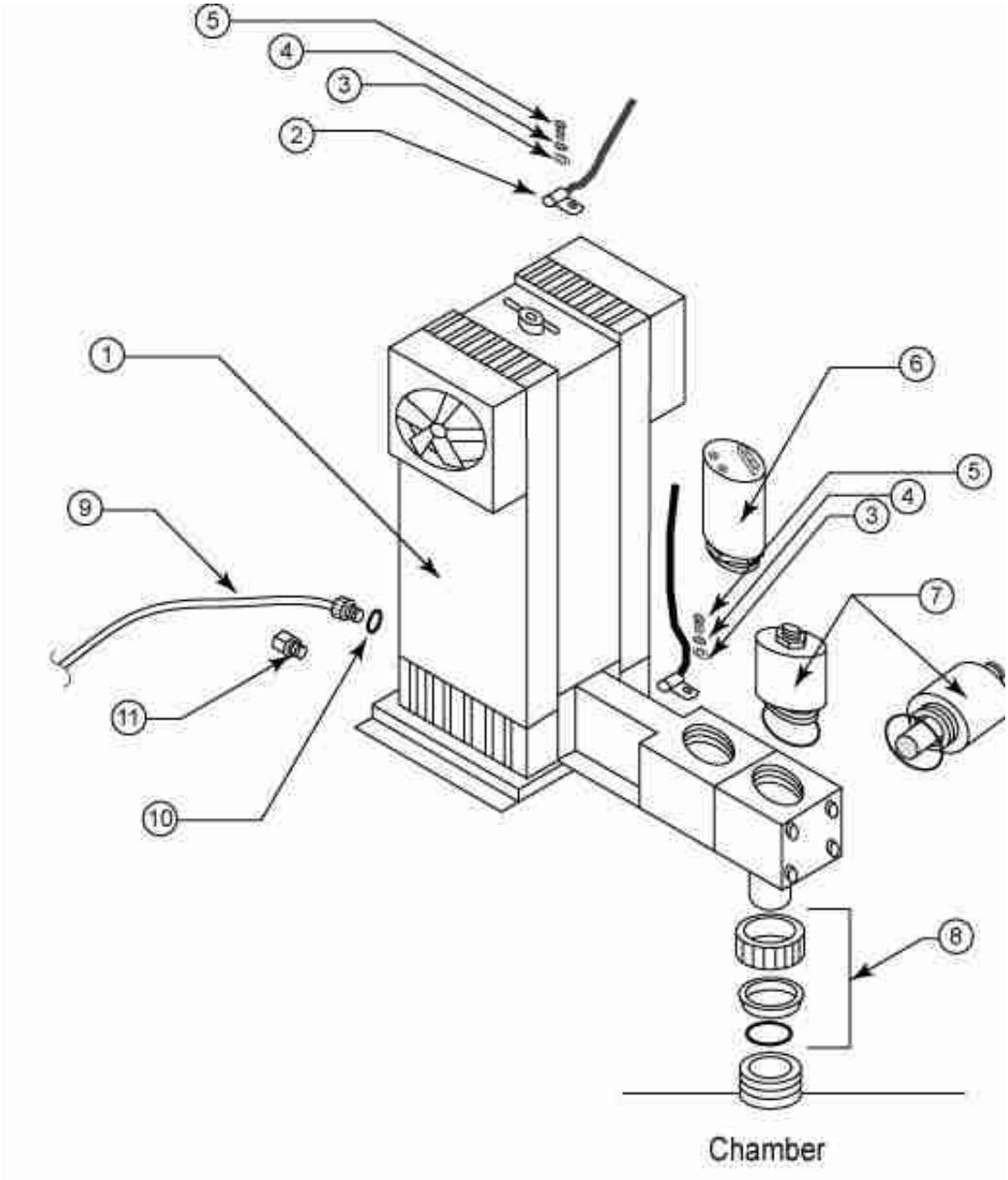
Vaporizer/Condenser Assembly



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Vaporizer/Condenser Assembly

Item	Description	Part Number	Notes
1	Vaporizer assembly (RoHS Compliant)	02-52303-1-001	Vaporizer/condenser
2	Thermistor assembly	47-53575-001	
3	Lockwasher, split ring M3 SST	71-00232-310	
4	Flat washer	71-00230-313	
5	SHCS M3 X 5 SST	70-00206-305	
6	Pressure transducer, 30 torr (RoHS Compliant)	86-52584-012	
7	Valve 3/8 dia orifice 24V	28-51428-002	Inlet/Transition valve
8	Fitting, ultratorr to SAE-12/MS Male	21-51283-001	Ultratorr fitting
9	Tubing, H2O2 delivery	27-53249-001	
10	O-ring, miniature	22-52715-005	
11	Plug, manifold 7/16-20 UNF	21-51287-001	

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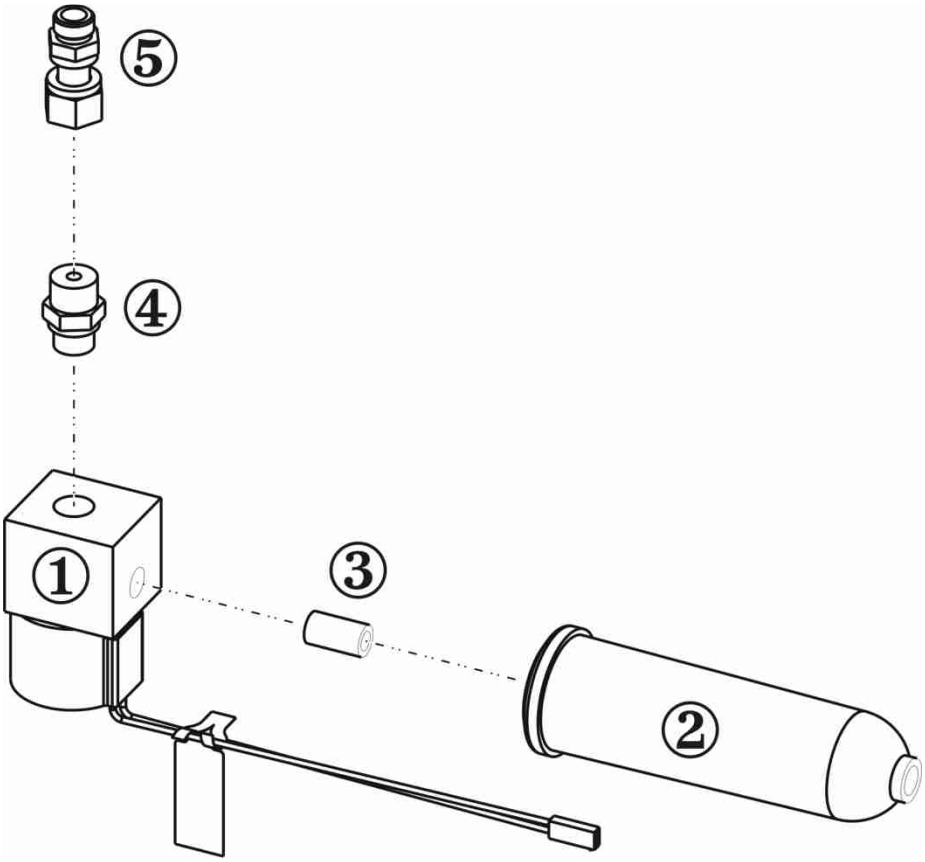
Vent Valve and HEPA Filter Illustration



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Vent Valve Assembly Illustration

Item	Description	Part Number	Notes
	Vent valve assembly	02-52424-0-001	
1	Valve solenoid	28-52706-001	
2	HEPA filter	25-00473-001	
3	Close nipple 3/8 NPT brass	26-00573-005	
4	Connector SAE/VCO	21-02244-005	
5	Fitting connector VCO nut	21-52145-001	

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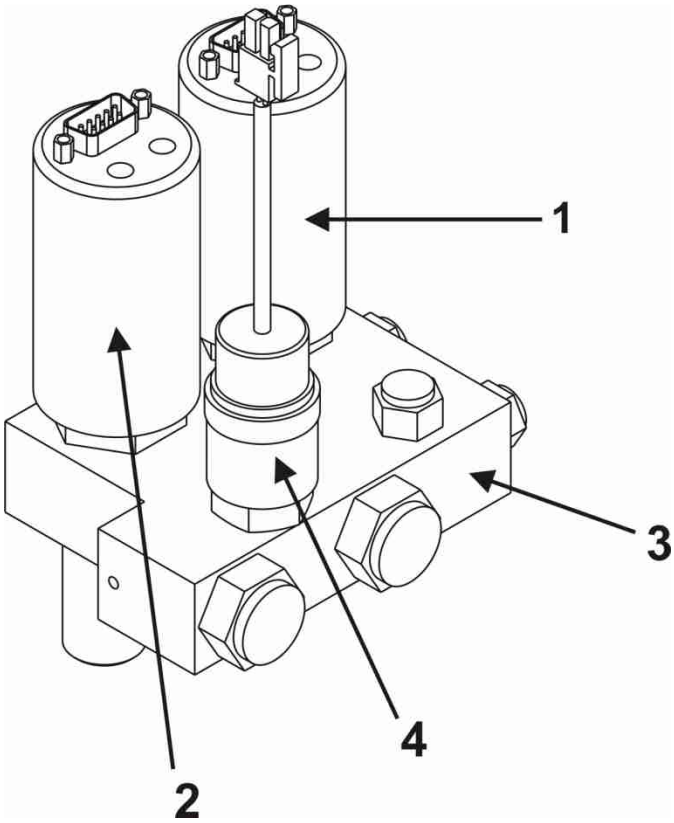
Chamber Pressure Control Assembly Illustration



Chamber Pressure Control Assembly

Item	Description	Part Number	Notes

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1	Pressure transducer, 30 torr (RoHS Compliant)	86-52584-012	
2	Pressure transducer, 200 torr (RoHS Compliant)	86-52584-011	
3	Pressure control manifold	30-52385-0-001	
4	Pressure switch	86-50542-001	ATM switch

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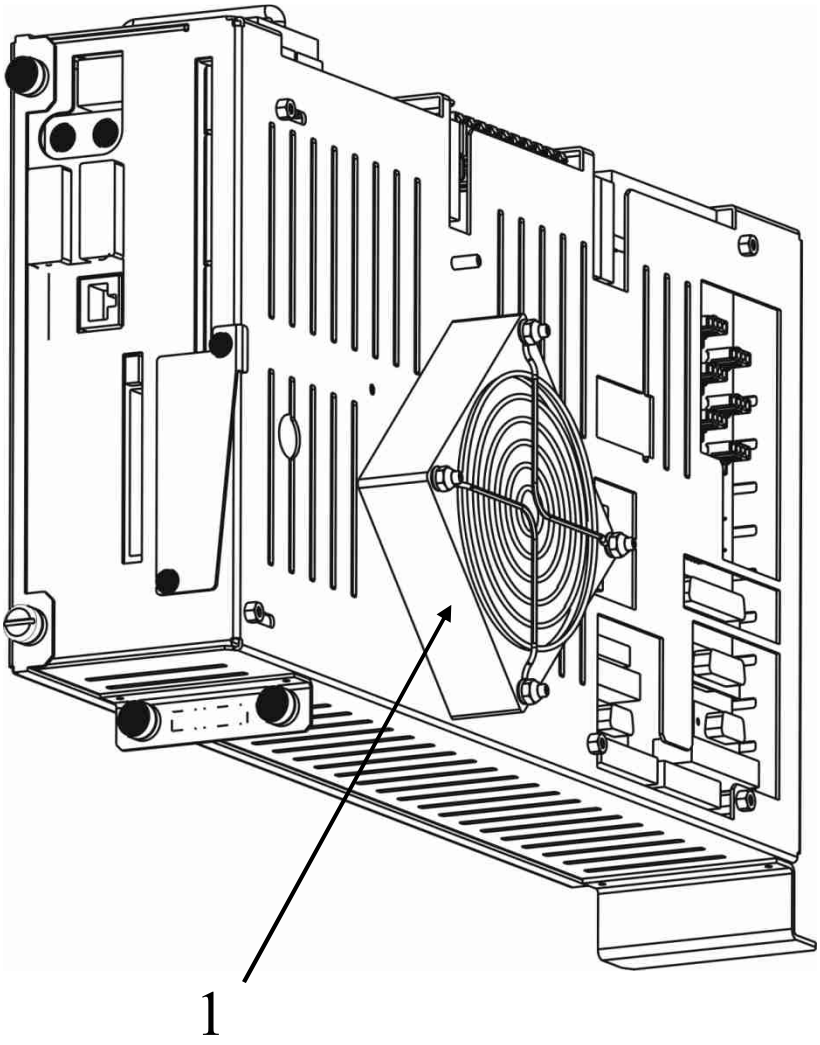
Control Enclosure Assembly Illustration



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Control Enclosure Assembly

Item	Description	Part Number	Notes
	Control enclosure assembly (RoHS Compliant)	02-53248-5-001	Contains ETX2 PCB
	FRU, 100NX ETX2 CNTL ENCLOSURE (RoHS Compliant)	02-53248-01	
	Software, IDE assembly 10104 (for ETX2 PCB)	109067-01	
	Memory Card, Compact Flash, Industrial, 512MB	103288-01	
	PCMCIA compact flash card adapter	40-51512-001	
1	Electronic fan assembly	40-53108-001	

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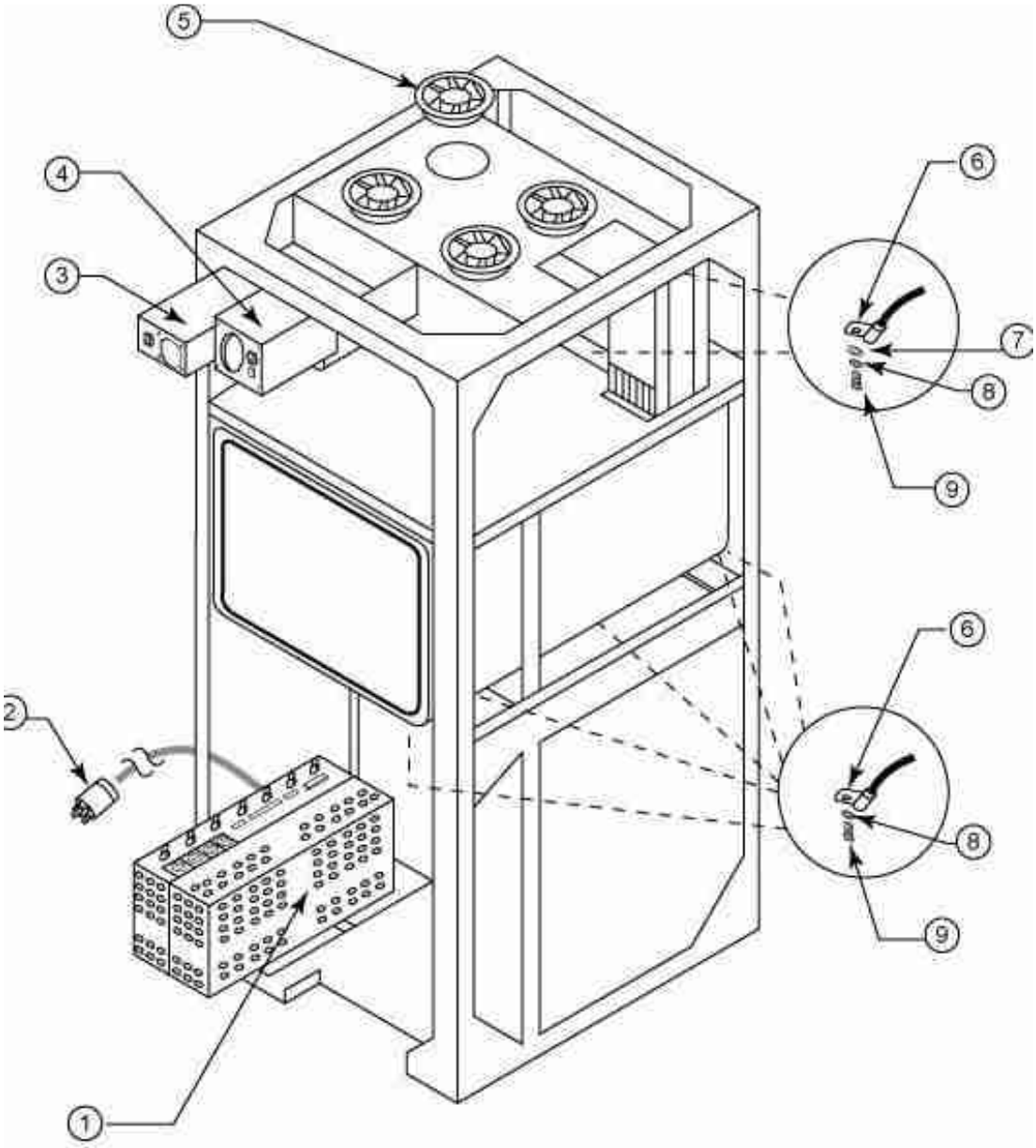
ATX DC, 24VDC, and AC Power Assemblies Illustration



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ATX DC, 24VDC, and AC Power Assemblies

Item	Description	Part Number	Notes
1	AC distribution assembly	40-52312-1-001	
1	AC Enclosure Assembly	40-52312-1-002	
2	Connector NEMA plug L21-30	45-00448-213	
3	24 VDC power supply	40-53112-001	
4	ATX DC power supply	102468-01	If not available, try alternate part number
4	ATX DC power supply	102591-01	If not available, try alternate part number
5	System fan	40-53551-001	
6	Thermistor assembly	47-53575-001	
7	Flat washer M3	71-00230-313	
8	Lockwasher, split ring M3 SST	71-00232-310	
9	SHCS M3 x 8.0 LG SST	70-00206-308	
	Thermal compound	43-00820-001	

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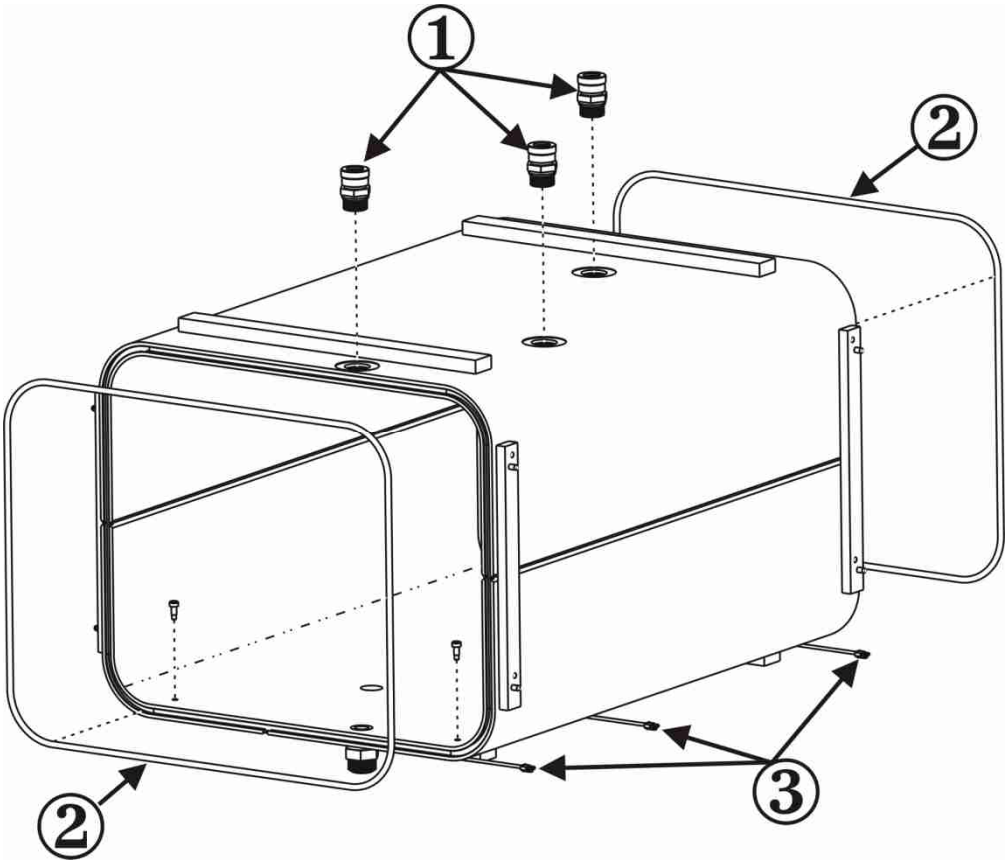
Chamber Illustration



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Chamber Assembly

Item	Description	Part Number	Notes
1	Fitting, ultratorr	21-51283-001	
2	O-ring, Viton	22-00537-471	
3	Thermistor assembly	47-53575-001	

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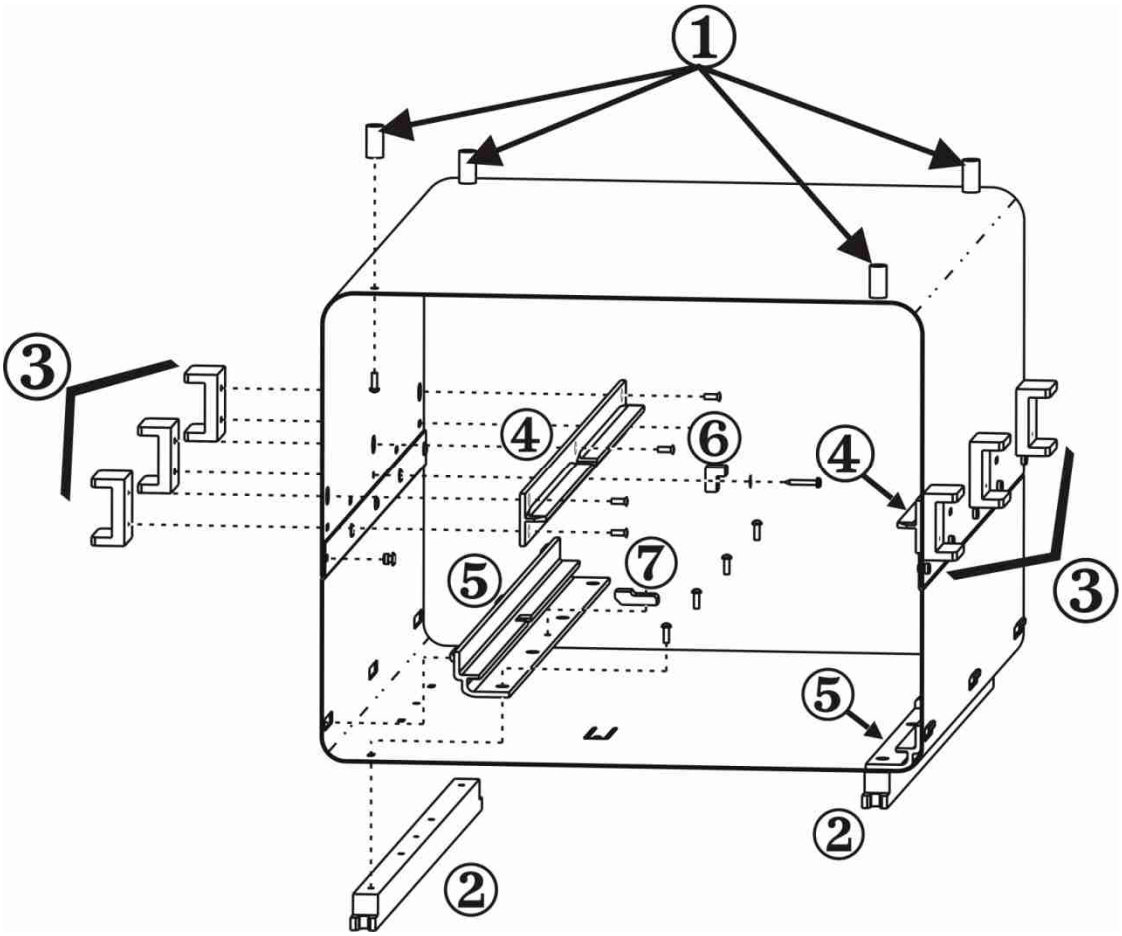
Electrode Assembly Illustration



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Electrode Assembly

Item	Description	Part Number	Notes
	Electrode assembly	02-52391-0-001	Contains electrode and items 1-7
1	Spacer, electrode	33-52586-0-001	
2	Spacer, electrode, bottom	33-52668-0-001	
3	Spacer, electrode, side	33-54618-0-001	
4	Shelf support, upper	33-52418-0-001	
5	Shelf support, lower	33-52419-0-001	
6	Shelf stop, upper	33-52670-0-001	
7	Shelf stop, lower	33-52669-0-001	

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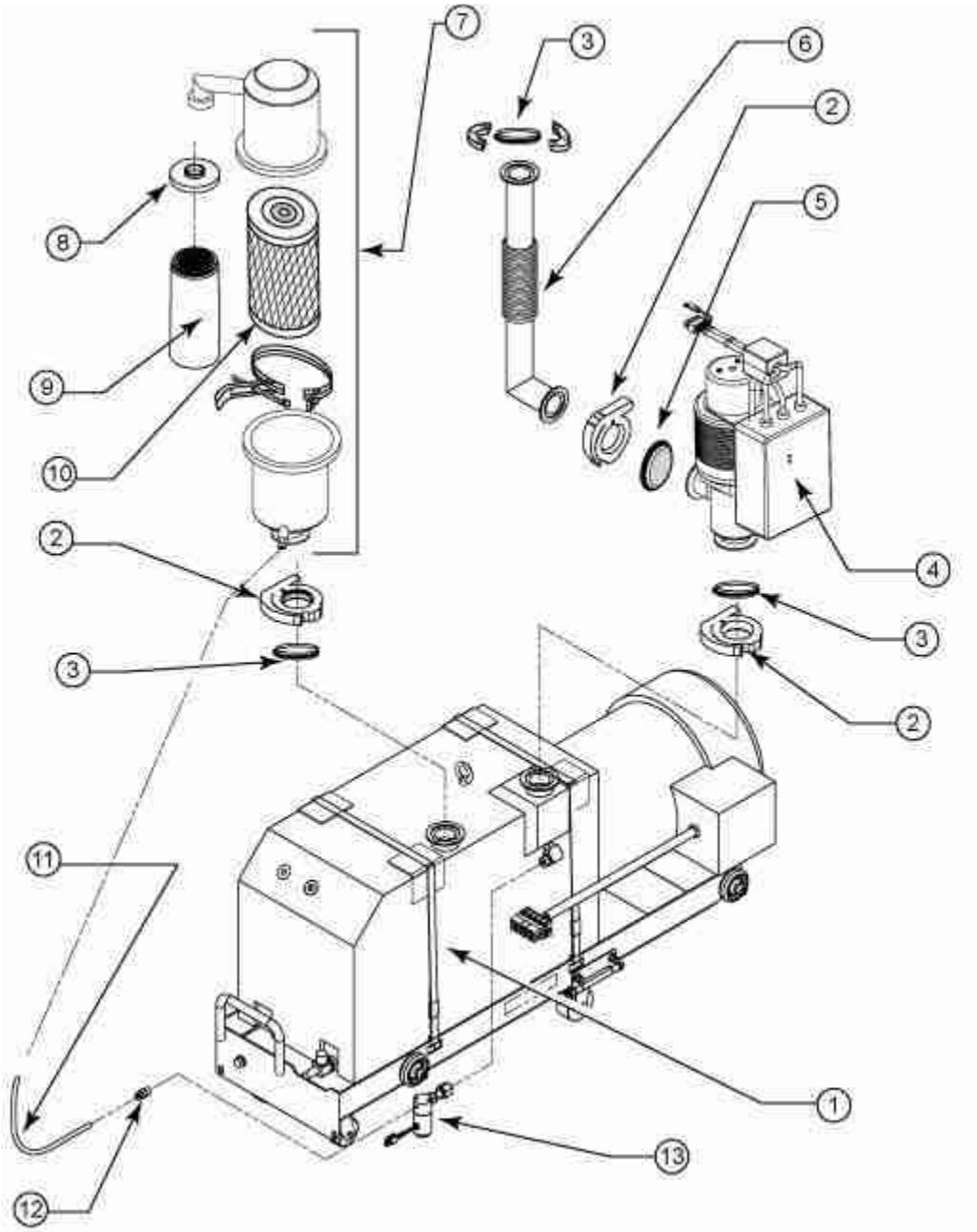
Vacuum Pump and Tray Assembly Illustration



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Vacuum Pump and Tray Assembly

Item	Description	Part Number	Notes
1	Assembly, vacuum pump and tray	03-53799-0-001 or 03-53799-0-801	
2	Clamp, toggle ISO-KF40	21-00476-040	
3	Centering ring, ISO-KF40 aluminum w/ Viton	21-00477-040	
4	Valve, vacuum control	D-100090	
5	ISO-KF centering ring w/ screen KF40	21-01104-040	
6	Hose, pump intake	06-52420-0-001	
7	Oil mist filter, Solberg, 100NX	25-54623-001	
8	Adapter converter	33-05613-0-001	
9	Catalytic converter	25-05611-0-001	
10	Cartridge, oil mist filter, Solberg, 100NX	25-54624-001	
11	Tube, ¼ OD Nylon Natural	27-00496-040	
12	Connector, male tube X 1/8 NPT	26-00391-043	
13	Valve, solenoid 24 VDC 2 position	28-51498-001	Oil return valve

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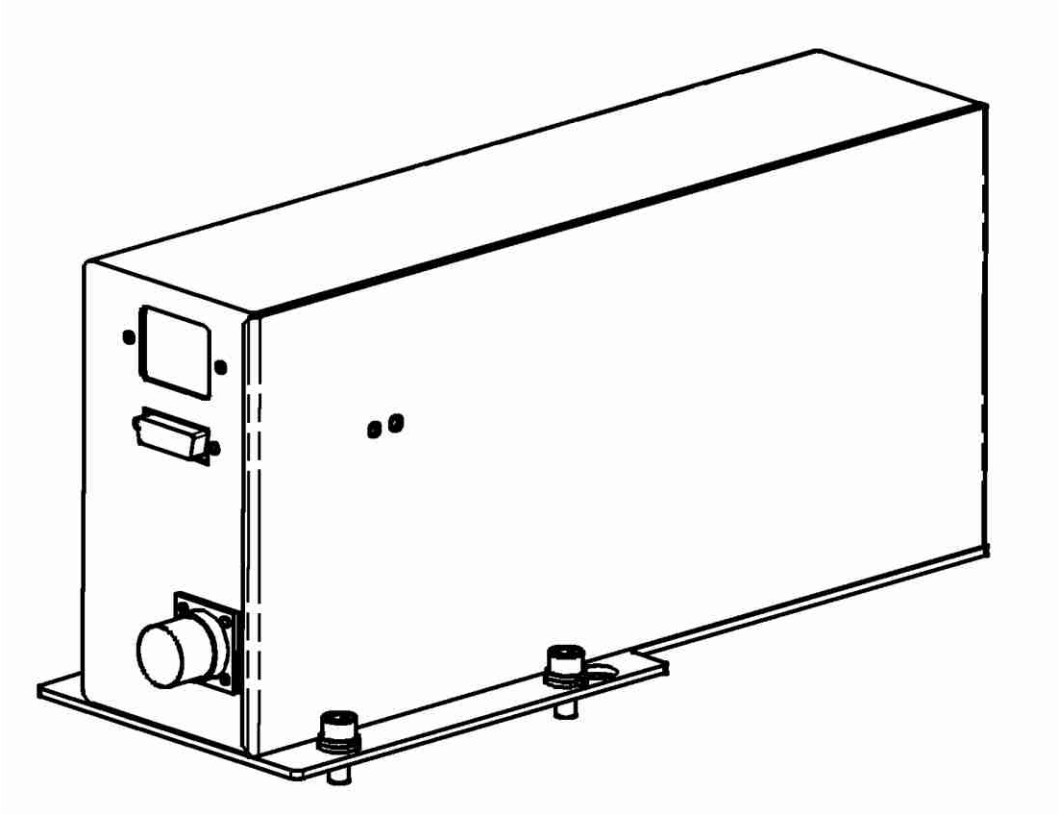
Low Frequency Plasma System (LFPS II 500W) Assy 40-52321-001



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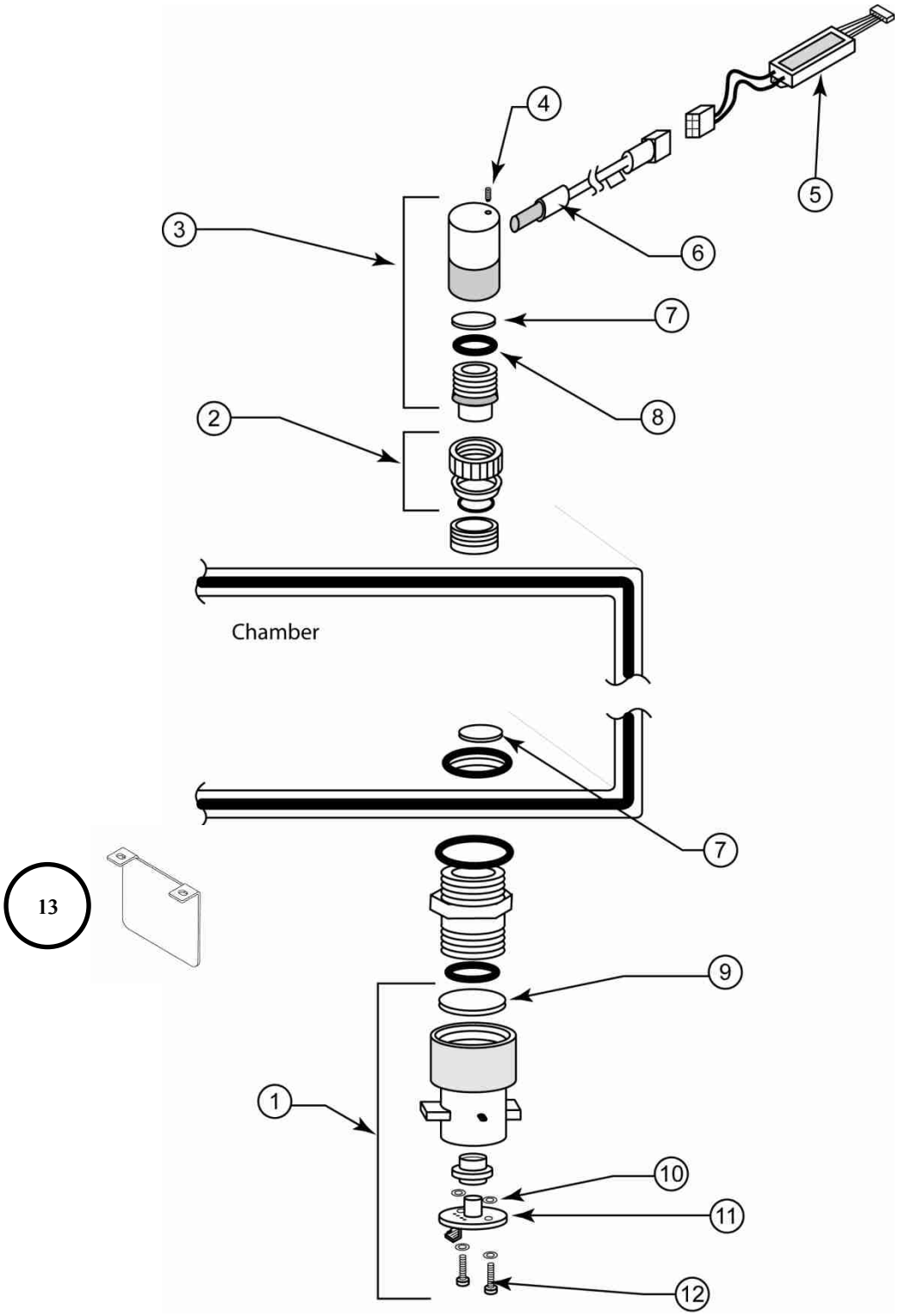
Hydrogen Peroxide Monitor and Detector Illustration



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Hydrogen Peroxide Monitor and Detector

Item	Description	Part Number	Notes
1	Detector, H2O2 monitor assembly (RoHS Compliant)	04-52108-1-001	
2	Ultratorr fitting	21-51283-001	
3	Lamp, H2O2 monitor assembly	04-50544-0-001	
4	Screw set, soft tip	70-51427-001	
5	UV lamp, power supply	101325-02	
6	UV lamp	40-52125-001	
7	Window, optical lens	32-51413-0-001	
8	O-ring, Viton	22-00537-209	
9	Window, optic H2O2 detector	32-03557-0-001	
10	Nylon washer	71-04451-003	
11	PWA, H2O2 detector (RoHS Compliant)	04-52140-1-001	
12	Screw	70-00206-108	
13	Bracket Detector Shield	31-52416-0-001	

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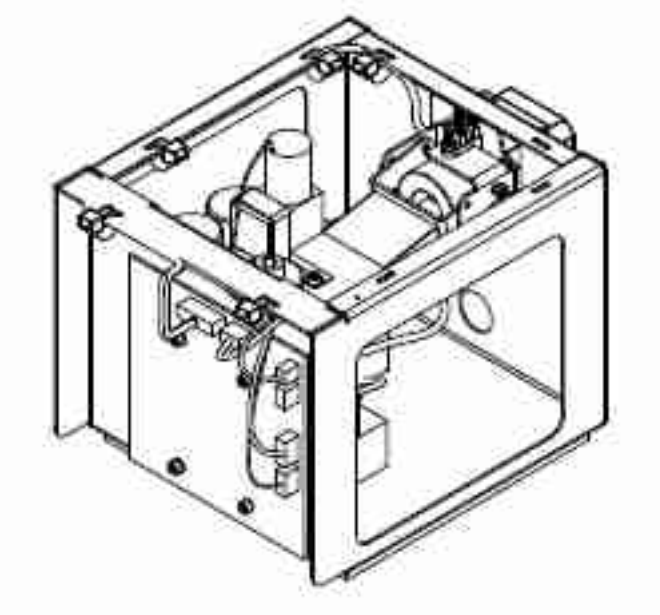
H202 Delivery Module (Duo)



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H202 Delivery Module (DUO)

Part Number	Description
103329-05	H202 Delivery Module Assy (DUO)
103410-01	Metering Board
103442-01	Valve, 2-way
106825-004	O-ring, Kalrez
27-50711-001	Seal Tube, Silicone
74-50773-001	Luer Male ¼-28 UNF adapter
25-50703-001	Air Filter, PTFE
27-53249-003	Tubing, H2O2 Delivery
27-53249-004	Tubing, H2O2 Delivery
103428-01	Tubing Assembly, .020” x 980mm
104891-01	Harness Assembly, Metering Module Interface
102901-03	Cable, USB, Type A male to type B male
70-00206-312	Socket Head Cap Screw M3 x 12, SST
107757-01	Retrofit Kit, KNF Pump

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Spare Parts Alphabetical Listing

Part Number	Description
40-52312-1-001	AC distribution assy.
40-52312-1-002	AC Enclosure Assembly
33-05613-0-001	Adapter Converter
25-50703-001	Air filter, .2 PTFE, 25 mm
25-52474-001	Air Filter, 100NX (located below AC distribution assy.)
25-50703-001	Air Filter, PTFE
03-53391-0-001	Assembly, paper advance
03-53392-0-001	Assembly, printer door
30-52459-0-001	Bar,Safety Door
30-52446-0-001	Belt holder
30-53115-0-001	Belt roller
31-52445-0-001	Belt, clamp
31-52416-0-001	Bracket Detector Shield
66-51385-004	Cable Assy. D – sub 15, display VGA
66-51385-006	Cable Assy. D – sub, shielded
66-50518-002	Cable, Twin axial, 2.5 ft
102901-03	Cable, USB, Type A male to type B male
25-54624-001	Cartridge, oil mist filter, Solberg, 100NX
62-52476-001	Caster fix
62-52475-001	Caster swivel
25-05611-0-001	Catalytic converter
21-00477-040	Centering ring ISO-KF40 aluminum w/Viton
02-52300-0-001	Chamber assembly
03-52774-0-001	Chamber door assembly
40-51468-001	Circuit board, printer
40-51468-001	Circuit board, printer
21-00476-040	Clamp toggle ISO-KF40
26-00573-005	Close nipple 3/8 NPT brass
45-00448-213	Connector NEMA plug L21-30P (North America)
21-02244-005	Connector SAE/VCO
26-00391-043	Connector, male, ¼ Tube X 1/8 NPT
02-53248-5-001	Control enclosure assembly (RoHS Compliant)

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Part Number	Description
65-52796-001	Counter balance spring
60-52795-001	Coupling
40-53112-001	DC power supply 24VDC 800W
102468-01	DC power supply ATX
102591-01	DC power supply ATX
03-53375-0-001	Delivery bezel assembly
33-52815-0-001	Delivery door 100NX
40-52308-0-001	Display assembly
23-53133-0-001	Display Gasket, 100NX
30-52785-0-001	Door adjustment roller
31-52460-0-001	Door fascia
04-52791-0-001	Door optical sensor
04-52780-0-001	Door safety switch assembly
02-52391-0-001	Electrode assembly
40-53108-001	Electronic fan assembly
04-53246-0-001	Extractor assy., H2O2
40-52411-011	Feedthrough assy (RoHS Compliant)
26-51472-001	Fitting ¼ – 28 plug (vaporizer/condenser assy.)
21-52145-001	Fitting connector VCO nut
21-51283-001	Fitting ultratorr To SAE-12/MS male
60-53103-002	Flange Bearing
71-00230-313	Flat washer M3
109896-01	Foot pad (RoHS Compliant)
100666-01	Foam (Noise Dampening)
02-52822-0-001	Front panel assembly – input
02-53710-0-001	Front panel assembly – output (double door)
02-53248-01	FRU, 100NX ETX2 CNTL ENCLOSURE (RoHS Compliant)
23-53136-001	Gasket interface, chamber door
106825-004	O-ring, Kalrez
42-52778-002	Gear motor, left angle
42-52778-001	Gear motor, right angle
23-00591-001	Grease, high vacuum
64-52787-001	Grommet Stoppers
02-52302-1-002	H2O2 delivery assembly (RoHS Compliant)

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Part Number	Description
103329-05	H202 Delivery Module (Duo Module)
04-52108-1-001	H2O2 detector monitor assembly (RoHS Compliant)
04-50544-0-001	H2O2 lamp monitor assembly
33-53096-0-001	Handle, shelf extrusion
104891-01	Harness Assembly, Metering Module Interface
04-52605-0-001	Harness assy. 24 VDC power supply
04-52600-0-001	Harness assy. Chamber heaters
04-54619-0-001	Harness assy. Delivery system
04-52601-0-001	Harness assy. Door heaters
04-52619-0-001	Harness assy. Door motors
04-52594-0-001	Harness assy. Door sensors
04-53105-0-001	Harness assy. Foot switch
66-51385-006	Harness, LCD input side
04-52588-0-001	Harness, LCD power
04-52608-0-001	Harness, oil return valve
04-52599-1-001	Harness, pressure transducer (RoHS Compliant)
04-52598-0-001	Harness, thermal electric
04-52606-0-003	Harness, thermistor extension chamber back
04-52606-0-001	Harness, thermistor extension chamber front
04-52606-0-002	Harness, thermistor extension chamber middle
04-52606-0-005	Harness, thermistor extension input door
04-52606-0-006	Harness, thermistor extension output door
04-52606-0-009	Harness, thermistor extension thermal electric
04-52606-0-004	Harness, thermistor extension vaporizer
04-52590-0-001	Harness, UV detector
04-52602-0-001	Harness, vaporizer heater
04-52607-0-001	Harness, vent valve
04-52383-0-001	Harness, Zero Pressure
40-52396-001	Heater assy., chamber
40-52781-001	Heater assy., door, 400W
25-00473-001	HEPA Filter
06-52420-0-001	Hose pump intake (bellows)
100214-03	IMS board (RoHS Compliant)
02-52773-0-001	Input door assembly

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Part Number	Description
04-52307-2-001	Interface board (RoHS Compliant)
21-01104-040	ISO-KF centering ring w/screen KF40
100664-02	Kit, gasket, chamber door interface
74-53146-001	Latch, delivery door
02-53138-0-001	Left side panel assembly
74-52479-001	Leveler
40-52321-001	LFPS2 power supply module (PSM), 500 Watts
74-53121-001	Lock, front panel
71-00232-310	Lockwasher, split ring M3 SST
74-50773-001	Luer Male ¼-28 UNF adapter
103288-01	Memory Card, Compact Flash, Industrial, 512MB
103410-01	Metering Board
04-53759-1-001	Microswitch collector assembly (RoHS Compliant)
06-52675-0-001	Needle H2O2 transfer
71-04451-003	Nylon washer
25-54623-001	Oil mist filter assembly (Solberg)
25-54624-001	Oil mist filter cartridge, 100NX (Solberg)
22-00537-001	O-Ring
22-52715-005	O-Ring, miniature
22-00537-471	O-Ring, Viton
22-00537-209	O-Ring, Viton
22-07107-904	O-Ring, Viton
22-00537-471	O-Ring, Viton (door O-ring)
02-52452-0-001	Output door assembly
02-53710-0-001	Output panel assembly
74-53143-001	Panel handle
04-53067-1-001	PCBA RFID (RoHS Compliant)
40-51512-001	PCMCIA compact flash card adapter
21-51287-001	Plug manifold 7/16-20 UNF
05-53441-4-001	PM1 Kit, 10104
05-53441-5-002	PM2 Kit, 10104
05-53441-1-003	PM2 Kit, DUO Cycle, 10104
30-52385-0-001	Pressure control manifold
86-50542-001	Pressure switch (ATM)

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Part Number	Description
86-52584-011	Pressure transducer – 0-200T (RoHS Compliant)
86-52584-012	Pressure transducer – 0-30T (RoHS Compliant)
61-53120-001	Printer door shaft
03-53392-0-001	Printer door, 100NX
40-51468-001	Printer PCB
40-51465-001	Printer, thermal
60-54647-001	Pulley, timing, 100NX
04-52140-1-001	PWA, H_2O_2 detector (RoHS Compliant)
03-52776-0-001	Rail assembly, left
03-52777-0-001	Rail assembly, right
02-53140-0-001	Rear panel assembly
74-00261-008	Retaining ring, external, R
107757-01	Retrofit Kit, KNF Pump
02-53137-0-001	Right Side panel assembly
74-51244-006	Ring, retaining
70-00206-108	Screw
70-51427-001	Screw set soft tip
27-50711-001	Seal Tube, Silicone
31-52467-0-001	Seismic restraint
04-51379-1-001	Sensor assembly, cassette guide (RoHS Compliant)
TS-54155-04	Service guide, STERRAD 100NX (Troubleshooting)
70-00206-305	SHCS M3 X 5 SST
06-52394-0-001	Shelf
33-52669-0-001	Shelf stop, lower
33-52670-0-001	Shelf stop, upper
33-52419-0-001	Shelf support, lower
33-52418-0-001	Shelf support, upper
70-00206-312	Socket Head Cap Screw M3 x 12, SST
04-52314-2-601	Software, IDE assembly 10104 (for ETX1 control enclosures 02-53248-1-001, 02-53248-1-901, and 02-53248-2-001)
109067-01	Software, IDE assembly 10104 (for ETX2 control enclosures 02-53248-1-011 , 02-53248-3-001, 02-53248-4-001, and 02-53248-5-001)
110526-02	100NX ETX2 DTI Software Upgrade
102471-06	Software, upgrade 10104 (For non-RoHS systems using ETX1 control enclosures only. Do NOT install this on RoHS systems using ETX2 control enclosures.)

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Part Number	Description
28-51498-001	Solenoid valve, 2 position, 24 VDC (oil return valve)
33-52586-0-001	Spacer, electrode
33-52668-0-001	Spacer, electrode, bottom
33-54618-0-001	Spacer, electrode, side
40-53551-001	System fan
37-00616-007	Tape, Kapton
43-00820-001	Thermal compound
40-51465-001	Thermal printer
47-53575-001	Thermistor assembly
55-09913-001	Thermostat
66-52797-001	Timing belt
60-52793-001	Timing Pulley
06-53131-0-001	Top panel
02-53139-0-001	Top panel assembly
27-00496-040	Tube, ¼ OD Nylon natural (oil return tube)
103428-01	Tubing Assembly, .020” x 980mm
27-53249-001	Tubing H2O2 delivery
27-53249-003	Tubing, H2O2 Delivery
27-53249-004	Tubing, H2O2 Delivery
21-51283-001	Ultratorr fitting
40-52700-001	USB hub
40-52700-003	HUB, USB 4-PORT
113052-01	USB HUB HARNESS ASSEMBLY PROTECTIVE EARTH GROUND
40-52125-001	UV lamp
101325-02	UV lamp power supply
D-100090	Vacuum control valve
03-53799-0-001 or 03-53799-0-801	Vacuum pump and tray
28-52706-001	Valve solenoid
28-51498-001	Valve solenoid 24 VDC 2 position (oil return)
28-53786-001	Valve solenoid manifold mount
103442-01	Valve, 2-way
28-51428-002	Valve, 3/8 Dia. Orifice, 24V (inlet/transition valves)
28-52706-001	Valve, solenoid (vent valve)
28-53786-001	Valve, solenoid manifold mount (delivery valve)

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Part Number	Description
02-52303-1-001	Vaporizer/condenser assy. (RoHS Compliant)
02-52424-0-001	Vent valve assembly
71-04451-003	Washer, Nylon (used as spacers on the detector PWA).
32-03557-0-001	Window optic H2O2 detector
32-51413-0-001	Window optical UV lamp

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